



ELSEVIER

Comput. Methods Appl. Mech. Engrg. 146 (1997) 415-416

**Computer methods  
in applied  
mechanics and  
engineering**

## Contents Volume 146

### Volume 146, Nos. 1-2, 5 July 1997

- Triangular wavelet based finite elements via multivalued scaling equations  
*J. Ko, A.J. Kurdila and M.S. Pilant* 1
- Preconditioned conjugate residual methods for mixed spectral discretizations of elasticity and Stokes problems  
*L.F. Pavarino* 19
- Numerical investigation of free convective flow in divergent channels  
*R.K. Sahoo and V.M.K. Sastri* 31
- Hamiltonian particle hydrodynamics  
*E.P. Fahrenthold and J.C. Koo* 43
- The finite deformation theory for beam, plate and shell. Part I. The two-dimensional beam theory  
*M. Li* 53
- h*-Adaptive finite element computation of time-harmonic exterior acoustics problems in two dimensions  
*J.R. Stewart and T.J.R. Hughes* 65
- A space-time Galerkin/least-squares finite element formulation of the Navier-Stokes equations for moving domain problems  
*A. Masud and T.J.R. Hughes* 91
- The solution of open and closed elasticas using intrinsic coordinate finite elements  
*B.W. Golley* 127
- Dynamics of geometrically-exact sandwich beams/1-D plates: computational aspects  
*L. Vu-Quoc and H. Deng* 135
- Iterative solution of multiple radiation and scattering problems in structural acoustics using a block quasi-minimal residual algorithm  
*M. Malhotra, R.W. Freund and P.M. Pinsky* 173

### Volume 146, Nos. 3-4, 15 July 1997

- Numerical solutions to inverse problems of general planar motion  
*E. Scheiber and M. Lupu* 197
- On the consistent tangent operator algorithm for thermo-plastic problems  
*P. Laborde, B. Toson and J.-J. Pesqué* 215

An anisotropic $h$ -adaptive finite element method for compressible Navier–Stokes equations <i>W. Rachowicz</i>	231
Inclination control of the motion of a rolling disk by using a rotor <i>Y. Yavin</i>	253
Dynamic stability of a radially rotating beam subjected to base excitation <i>T.H. Tan, H.P. Lee and G.S.B. Leng</i>	265
Shape-memory alloys: macromodelling and numerical simulations of the superelastic behavior <i>F. Auricchio, R.L. Taylor and J. Lubliner</i>	281
Quadratic representation of a nonlinear dynamic stiffness matrix and related eigenvalue problems <i>J. Ye and F.W. Williams</i>	313
A nonlinear beam finite element for the post-buckling analysis of plane frames by Koiter's perturbation approach <i>G. Salerno and A.D. Lanzo</i>	325
On theory and numerics of large viscoplastic deformation <i>C. Sansour and F.G. Kollmann</i>	351
Consistent pseudo-derivatives in meshless methods <i>Y. Krongauz and T. Belytschko</i>	371
Added mass and damping in fluid–structure interaction <i>C. Conca, A. Osses and J. Planchard</i>	387
Author Index of Volume 146	407
Subject Index of Volume 146	409
Instructions to authors	413
Contents Volume 146	415

